



FIG. 1A

ATGCTGCTGCTGCTGCTGCTGGCCCTGAGGCTACAGCTCTCCTGGCATCATCCCA
M L L L L L L L L G L R L Q L S L G I I P
GTTGAGGAGAACCCGGACTTCTGGAACCGGAGGAGCCGAGGCCCTGGGTGCCGCC
V E E E N P D F W N R E A A E A L G A A
AAGAAGCTGCAGCCTGCACAGACAGCCGCCAAGAACCTCATCATCTTCTGGCGGATGGG
K K L Q P A Q T A A K N L I I F L G D G

ATGGGGTGTCTACGGTGACAGCTGCCAGGATCCTAAAGGCGAGAAGGACAAACTG
M G V S T V T A A R I L K G Q K K D K L

GGCCTGAGATACCCCTGGCCATGACCGCTTCCCATATGTGGCTCTGTCCAAGACATAC
G P E I P L A M D R F P Y V A L S K T Y

AATGTAGACAAACATGTGCCAGACAGTGGAGCCACAGCCACGGCCTACCTGTGGGGGTC
N V D K H V P D S G A T A T A Y L C G V

AAGGGCAACTTCCAGACCATTTGGCTTGAGTGCAGCCGCCCGCTTTAACCAAGTGCAACACG
K G N F Q T I G L S A A A R F N Q C N T

ACACGGGCAACGAGGTCACTCCGTGATGAATCGGGCCAAGAAAGCAGGGAAGTCAGTG
T R G N E V I S V M N R A K K A G K S V

FIG. 1B

GGAGTGTAAACCACACGAGTGCAGCAGCCTCGCCAGCCGGCACCTACGCCACACG
G V V T T T R V Q H A S P A G T Y A H T

GTGAACCGCAACTGGTACTCGGACGCCGACGTGCCCTCGGCCCGCCAGGAGGGTGC
V N R N W Y S D A D V P A S A R Q E G C

CAGGACATCGCTACGAGCTCATCTCCAACATGGACATTGACGTGATCCTAGTGGAGGC
Q D I A T Q L I S N M D I D V I L G G G

CGAAAGTACATGTTTCCCATGGGAACCCAGACCCCTGAGTACCCAGATGACTACAGCCAA
R K Y M F P M G T P D P E Y P D D Y S Q

GGTGGACCAAGCTGGACGGGAAGAAATCTGTGCAGGAATGGCTGGCGAAGCGCCAGGGT
G G T R L D G K N L V Q E W L A K R Q G

GCCCCGTATGTGTGAACCGCACTGAGCTCATGCAGGCTTCCCTGGACCCGCTGTGTGACC
A R Y V W N R T E L M Q A S L D P S V T

CATCTCATGGGTCTTTGAGCCTGGAGACATGAAATACGAGATCCACCGAGACTCCACA
H L M G L F E P G D M K Y E I H R D S T

FIG. 1C

CTGGACCCCTCCCTGATGGAGATGACAGAGGCTGCCCTGCGCCTGCTGAGCAGGAACCCC
L D P S L M E M T E A A L R L L S R N P
CGCGGCTTCTTCCCTTCGTGGAGGGTGGTCGCAACCATGGTCATCATGAAAGCAGG
R G F F L F V E G G R I D H G H H E S R
GCTTACCGGCACTGACTGAGACGATCATGTTCCGACGACGCCCATTTGAGAGGGCGGCCAG
A Y R A L T E T I M F D D A I E R A G Q
CTCACCAGCAGGAGGACACGCTGAGCCTCGTCACTGCCGACCACTCCCACGTCCTCTCC
L T S E E D T L S L V T A D H S H V F S
TTCGGAGGCTACCCCTGCGAGGGAGCTCCATCTTCGGGCTGGCCCTGGCAAGGCCCGG
F G G Y P L R G S S I F G L A P G K A R
GACAGGAAGCCCTACACGGTCCTCCTATACGGAACGGTCCAGGCTATGTGCTCAAGGAC
D R K A Y T V L L Y G N G P G Y V L K D
GGCGCCCGCGATGTTACCGAGAGCGAGCGGAGCCCGAGTATCGGCAGCAGTCA
G A R P D V T E S E S G S P E Y R Q Q S

FIG. 1D

GCAGTGCCCTGGACGAAGAGACCCACGAGGCGAGACGTGGCGGTGTTCCGCGCGGC
A V P L D E E T H A G E D V A V F A R G

CCGAGGCGCACCTGGTTACGGCGGTGCAGGAGCAGACCTTCATAGCGCACGTTCATGGCC
P Q A H L V H G V Q E Q T F I A H V M A

TTCGCCGCTGCCCTGAGCCCTACACCGCCTGCGACCTGGCGCCCCCGCGGCACCCACC
F A A C L E P Y T A C D L A P P A G T T

GACGCCGCGCACCCAGGTAACATAAGTTGAATTCCGAAGAGCAGCTCTACGTAGAGGGT
D A A H P G N Y E V E P R R A L Y V E G

GAAAGAGGATTCTTCTACACTCCAAAGGCACTCTACCTCGTAGAGGGTGAAAGAGGATTC
E R G F F Y T P K A L Y L V E G E R G F

TTCTACACTAGTCTCATGACCATAGCCATATGTCATGGCTGCCATCTGCGCCCTCTTCATG
F Y T S L M T I A Y V M A A I C A L F M

CTGCCACTCTGCCCTCATGGTGGACTACAAGGATGATGATGACAAGTAG
L P L C L M V D Y K D D D K *

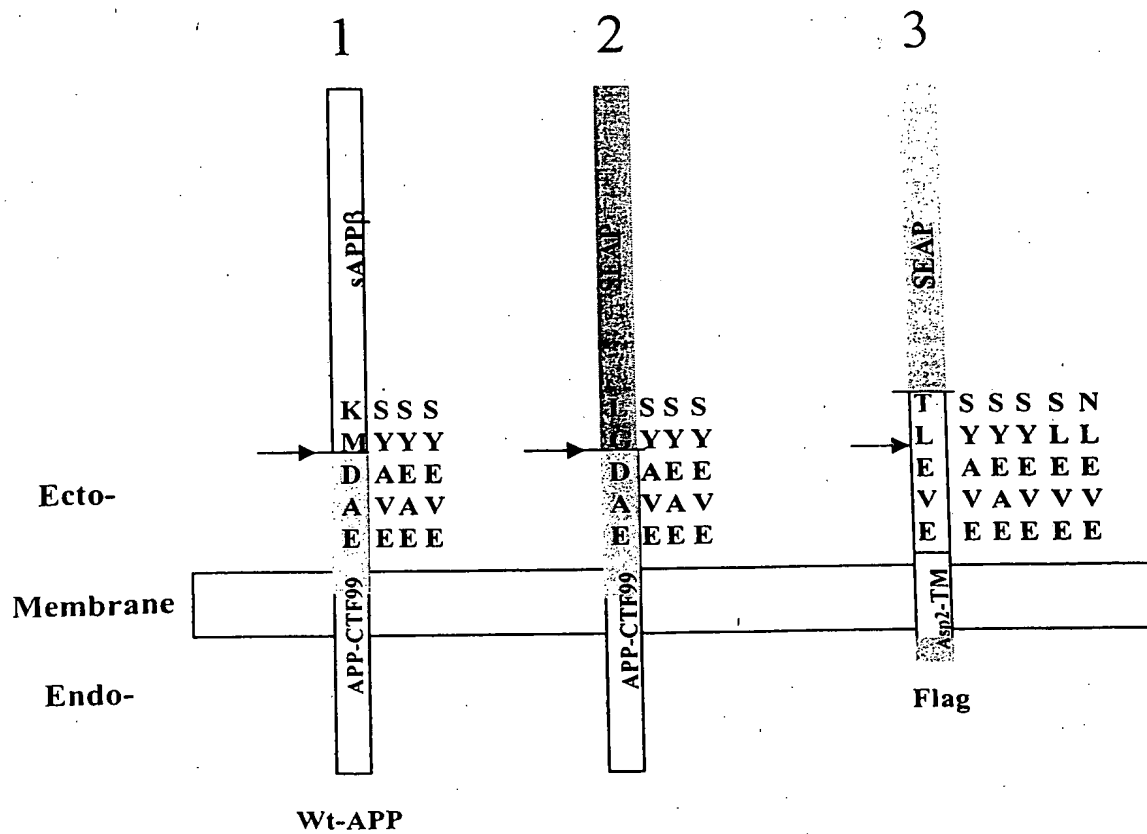


FIG. 2

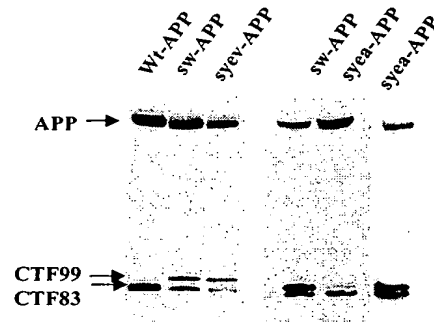


FIG. 3